

**CPC****COOPERATIVE PATENT CLASSIFICATION****G02C****SPECTACLES****SUNGLASSES OR GOGGLES INsofar AS THEY HAVE THE SAME FEATURES AS SPECTACLES**

**CONTACT LENSES** (trial frames for testing the eyes [A61B 3/04](#); goggles or eyeshields not having the same features as spectacles [A61F 9/00](#))

**NOTE**

This subclass also covers monacles, pince-nez or lorgnettes.

**Guide heading:****G02C 1/00****Assemblies of lenses with bridges or browbars**

## G02C 1/02

- . Bridge or browbar secured to lenses without the use of rims

## G02C 1/023

- .. { with lenses secured to the fixing parts by clamping, luting, soldering, gluing without holes or recesses in the lenses ([G02C 1/04](#) to [G02C 1/08](#) take precedence) }

## G02C 1/026

- .. {with auxiliary bars ([G02C 1/04](#) to [G02C 1/08](#) take precedence) }

## G02C 1/04

- . Bridge or browbar secured to or integral with partial rims, e.g. with partially-flexible rim for holding lens

## G02C 1/06

- . Bridge or browbar secured to or integral with closed rigid rims for the lenses

## G02C 1/08

- .. the rims being transversely split and provided with securing means

## G02C 1/10

- . { Special mounting grooves in the rim or on the lens }

**G02C 3/00****Special supporting arrangements for lens assemblies or monacles** (lenses therefor [G02C 7/00](#); by walking-sticks [A45B 3/00](#))

## G02C 3/003

- . { Arrangements for fitting and securing to the head in the position of use }

## G02C 3/006

- . { Arrangements for fitting and securing to the head or neck not in the position of use }

## G02C 3/02

- . Arrangements for supporting by headgear

## G02C 3/04

- . Arrangements for supporting by hand, e.g. lorgnette, Arrangements for supporting by articles (by walking-sticks [A45B 3/00](#))

**G02C 5/00****Construction of non-optical parts**

## G02C 5/001

- . {specially adapted for particular purposes, not otherwise provided for or not fully classifiable according to technical characteristics, e.g. therapeutic glasses }

- G02C 5/003 . . {Shooting or aiming glasses }
- G02C 5/005 . . {Glasses allowing access to one eye, e.g. for make-up application }
- G02C 5/006 . {Collapsible frames }
- G02C 5/008 . { Spectacles frames characterized by their material, material structure and material properties }
- G02C 5/02 . Bridges  
Browbars  
Intermediate bars (nose engaging-surfaces [G02C 5/12](#))
- G02C 5/04 . . with adjustable means
- G02C 5/045 . . . {for varying the horizontal distance of the lenses }
- G02C 5/06 . . with resilient means
- G02C 5/08 . . foldable
- G02C 5/10 . . Intermediate bars or bars between bridge and side-members
- G02C 5/12 . Nose pads  
Nose-engaging surfaces of bridges or rims
- G02C 5/122 . . {with adjustable means }
- G02C 5/124 . . . {for vertically varying the position of the lenses }
- G02C 5/126 . . { exchangeable or otherwise fitted to the shape of the nose }
- G02C 5/128 . . { Pince-nez }
- G02C 5/14 . Side-members
- G02C 5/143 . . { having special ear pieces }
- G02C 5/146 . . { having special front end }
- G02C 5/16 . . resilient or with resilient parts
- G02C 5/18 . . reinforced
- G02C 5/20 . . adjustable, e.g. telescopic
- G02C 5/22 . Hinges ([pivotal connection in general F16C 11/00](#))
- G02C 5/2209 . . { Pivot bearings and hinge bolts other than screws }
- G02C 5/2218 . . {Resilient hinges }
- G02C 5/2227 . . . { comprising a fixed hinge member and a coil spring }
- G02C 5/2236 . . . { comprising a sliding hinge member and a coil spring }
- G02C 5/2245 . . . . { comprising a sliding box containing a spring }
- G02C 5/2254 . . . { comprising elastic means other than coil spring }
- G02C 5/2263 . . {Composite hinges, e.g. for varying the inclination of the lenses }
- G02C 5/2272 . . { Hinges without well-defined pivot axis }
- G02C 5/2281 . . { Special hinge screws }
- G02C 5/229 . . { Oblique hinge axis }
- G02C 7/00** **Optical parts** ([characterised by the material G02B 1/00](#))

- G02C 7/02
  - . Lenses
  - Lens systems; { Methods of designing lenses }
- G02C 7/021
  - .. {with pattern for identification or with cosmetic or therapeutic effects (methods and processes take preference, e.g. printing, marking or copying processes [B41M](#) ; identification in general [G09F 3/00](#); producing decorative effects in general [B44C](#) ; surface treatment of glass [C03C 15/00](#) to [C03C 23/00](#); positioning or marking of lenses [B24B 13/0055](#)) }
- G02C 7/022
  - .. { Ophthalmic lenses having special refractive features achieved by special materials or material structures ([G02C 7/049](#) takes precedence) }
- G02C 7/024
  - .. { Methods of designing ophthalmic lenses }
- G02C 7/025
  - ... { considering parameters of the viewed object }
- G02C 7/027
  - ... { considering wearer's parameters }
- G02C 7/028
  - ... { Special mathematical design techniques }
- G02C 7/04
  - .. Contact lenses for the eyes (disinfection or sterilisation of contact lenses [A61L 12/00](#))
- G02C 7/041
  - ... {bifocal; multifocal }
- G02C 7/042
  - .... { Simultaneous type }
- G02C 7/043
  - .... { Translating type }
- G02C 7/044
  - .... { Annular configuration, e.g. pupil tuned }
- G02C 7/045
  - .... { Sectorial configuration }
- G02C 7/046
  - ... { Contact lenses having an iris pattern }
- G02C 7/047
  - ... { Contact lens fitting; Contact lenses for orthokeratology; Contact lenses for specially shaped corneae }
- G02C 7/048
  - ... { Means for stabilising the orientation of lenses in the eye }
- G02C 7/049
  - ... { Contact lenses having special fitting or structural features achieved by special materials or material structures }
- G02C 7/06
  - .. bifocal
  - multifocal; { progressive ([G02C 7/041](#) takes precedence) }
- G02C 7/061
  - ... { Spectacle lenses with progressively varying focal power }
- G02C 7/063
  - .... { Shape of the progressive surface }
- G02C 7/065
  - ..... { Properties on the principal line }
- G02C 7/066
  - ..... { Shape, location or size of the viewing zones }
- G02C 7/068
  - .... { Special properties achieved by the combination of the front and back surfaces }
- G02C 7/08
  - .. Auxiliary lenses
  - Arrangements for varying focal length
- G02C 7/081
  - ... { Ophthalmic lenses with variable focal length }
- G02C 7/083
  - .... { Electrooptic lenses }
- G02C 7/085
  - .... { Fluid-filled lenses, e.g. electro-wetting lenses }
- G02C 7/086
  - ... { Auxiliary lenses located directly on a main spectacle lens or in the immediate vicinity of main spectacles }
- G02C 7/088
  - ... { Lens systems mounted to spectacles }
- G02C 7/10
  - . Filter, e.g. for facilitating adaptation of the eyes to the dark
  - Sunglasses
- G02C 7/101
  - .. {having an electro-optical light valve (electro-optical elements per se [G02F](#) ) }

G02C 7/102	.. { Photochromic filters }
G02C 7/104	.. { having spectral characteristics for purposes other than sun-protection }
G02C 7/105	.. { having inhomogeneously distributed colouring }
G02C 7/107	.. { Interference colour filters }
G02C 7/108	.. { Colouring materials }
G02C 7/12	. Polarisers
G02C 7/14	. Mirrors Prisms
G02C 7/16	. Shades shields Obturators, e.g. with pinhole, with slot { ( <a href="#">G02C 5/003</a> takes precedence) }
G02C 7/165	.. {with stenopaeic apertures }
<b>G02C 9/00</b>	<b>Attaching auxiliary optical parts</b> (auxiliary optical parts per se <a href="#">G02C 7/08</a> to <a href="#">G02C 7/16</a> )
G02C 9/02	. by hinging
G02C 9/04	. by fitting over or clamping on
<b>G02C 11/00</b>	<b>Non-optical adjuncts</b> <b>Attachment thereof</b> ( <a href="#">G02C 7/16</a> takes precedence)
G02C 11/02	. Ornaments, e.g. exchangeable
G02C 11/04	. Illuminating means
G02C 11/06	. Hearing aids ( <a href="#">construction of hearing aids H04R 25/00</a> )
G02C 11/08	. Anti-misting means, e.g. ventilating, heating ( <a href="#">H05B 3/84</a> takes precedence) Wipers
G02C 11/10	. { Electronic devices other than hearing aids }
G02C 11/12	. { Side shields for protection of the eyes }
<b>G02C 13/00</b>	<b>Assembling</b> (producing spectacle frames from plastics or from substances in a plastic state <a href="#">B29D 12/02</a> ) <b>Repairing</b> <b>Cleaning</b> (disinfection or sterilisation of contact lenses <a href="#">A61L 12/00</a> )
G02C 13/001	. { Assembling; Repairing }
G02C 13/003	. { Measuring during assembly or fitting of spectacles }

- G02C 13/005 . . {Measuring geometric parameters required to locate ophtalmic lenses in spectacles frames (apparatus for testing or instruments for examining the eyes per se [A61B 3/00](#); machines or devices and accessories for grinding the edges of lenses using spectacles as a template [B24B 9/144](#)) }
- G02C 13/006 . { Devices specially adapted for cleaning spectacles frame or lenses }
- G02C 13/008 . { Devices specially adapted for cleaning contact lenses }

**Guide heading:**

**G02C 2200/00** Generic mechanical aspects applicable to one or more of the groups [G02C 1/00](#) to [G02C 5/00](#) and [G02C 9/00](#) to [G02C 13/00](#) and their subgroups

- G02C 2200/02 . Magnetic means
- G02C 2200/04 . Junctions between frame elements having a click function
- G02C 2200/06 . Locking elements
- G02C 2200/08 . Modular frames, easily exchangeable frame parts and lenses
- G02C 2200/10 . Frame or frame portions made from wire
- G02C 2200/12 . Frame or frame portions made from sheet type material
- G02C 2200/14 . Laminated frame or frame portions
- G02C 2200/16 . Frame or frame portions made from rubber
- G02C 2200/18 . Adjustment ridges or notches
- G02C 2200/20 . Friction elements
- G02C 2200/22 . Leaf spring
- G02C 2200/24 . Coil spring pulled upon actuation
- G02C 2200/26 . Coil spring pushed upon actuation
- G02C 2200/28 . Coil spring twisted upon actuation
- G02C 2200/30 . Piston
- G02C 2200/32 . Oblong hole

**Guide heading:**

**G02C 2202/00** Generic optical aspects applicable to one or more of the subgroups of [G02C 7/00](#)

- G02C 2202/02 . Mislocation tolerant lenses or lens systems
- G02C 2202/04 . Lenses comprising decentered structures
- G02C 2202/06 . Special ophthalmologic or optometric aspects
- G02C 2202/08 . Series of lenses, lens blanks
- G02C 2202/10 . Optical elements and systems for visual disorders other than refractive errors, low vision
- G02C 2202/12 . Locally varying refractive index, gradient index lenses
- G02C 2202/14 . Photorefractive lens material
- G02C 2202/16 . Laminated or compound lenses
- G02C 2202/18 . Cellular lens surfaces
- G02C 2202/20 . Diffractive and Fresnel lenses or lens portions
- G02C 2202/22 . Correction of higher order and chromatic aberrations, wave front measurement and calculation
- G02C 2202/24 . Myopia progression prevention